

# Leonardo Fernandes

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## EDUCATION

### VIT Bhopal University

Integrated M.Tech - Computer Science Engineering

Bhopal, India

Aug 2022 – Jun 2027

### Pace Junior Science College

Higher Secondary

Mumbai, India

Apr 2020 – Mar 2022

## EXPERIENCE

### Software Development Engineer Intern

Nov 2024 - Feb 2025

*myresQR.life*

Bangalore, India

- Spearheaded the development and maintenance of **5+ high-traffic web platforms**, improving scalability and usability for a diverse user base of **500+ individuals**.
- Refactored and optimized **frontend components**, implementing **efficient rendering techniques** that **reduced page load times by 30%** and **decreased bounce rates by 40%**
- Architected **high-performance API interactions**, collaborating closely with backend developers to **optimize data flow** and **accelerate data retrieval by 25%**, ensuring seamless real-time updates.

## PROJECTS

### QuikNote | React, Tailwind, Appwrite

GitHub

- Designed and implemented a **collaborative sticky notes system** with **drag-and-drop** functionality, boosting user engagement for **50+ active users**
- Integrated **secure authentication with Appwrite** and **personalized dashboards**, increasing user retention by **40%** and improving note accessibility.
- Enhanced **real-time note management** by leveraging Appwrite's **database services**, reducing CRUD operation latency by **30%** and improving overall system responsiveness.

### Clip-It | React, Tailwind, Supabase

GitHub

- Enabled secure link generation with unique slugs, resulting in a **40% increase** in user trust and repeat usage across **100+ active sessions**
- Introduced **real-time URL analytics** using Supabase's event listeners, enabling **100+ users** to track click-through rates, geographic insights, and engagement trends.
- Optimized **database queries and link redirection logic**, reducing query execution time by **35%** and enhancing user experience with **fast-loading shortened links**

### EchoVault | NextJs, Next-Auth, Tailwind, MongoDB

GitHub

- Devised an AI-driven feedback engine using **Google Gemini API** to automate the analysis and categorization of user feedback, **reducing manual moderation efforts by 35%**
- Designed and integrated a secure user authentication system with **NextAuth**, **improving onboarding flows by 50%** and reducing user drop-off rates by enhancing the overall experience.
- Leveraged **MongoDB aggregation pipelines** to optimize feedback data processing, **reducing database query time by 35%** and improving overall platform efficiency.**25%**

## EXTRA-CURRICULAR ACTIVITIES

- Co-lead the Technical Team at the Blockchain Club VIT Bhopal, managing **100+ participants** and executing **4+ web application projects**, boosting technical skills and community engagement.
- Published technical blogs on **Medium** and **DevTo** covering web development and blockchain, engaging over **150+ readers** and fostering community discussions.
- Advanced to the **university-level finals** of Smart India Hackathon 2023, contending of over **500+ participants**

## TECHNICAL SKILLS

**Languages:** C++, Python, SQL, JavaScript/Typescript, HTML/CSS, Solidity

**Frameworks:** ReactJs, NodeJs, ExpressJs, MongoDB, PostgreSQL Tailwind, React-Native, Expo

**Developer Tools:** Git, Docker, Figma, Postman, Appwrite

**Other Skills::** Data Structures, Algorithms, Front-End, Back-End, Full-Stack, Cryptography, App Dev